

Notes - Domain, Range and Notation

Name _____ Date _____ Block _____

left, right low, high

X Y

Interval and Inequality Notation:

smallest #, biggest #

D: $(-\infty, \dots)$ $x <$
D: $\dots, \infty)$ $x >$

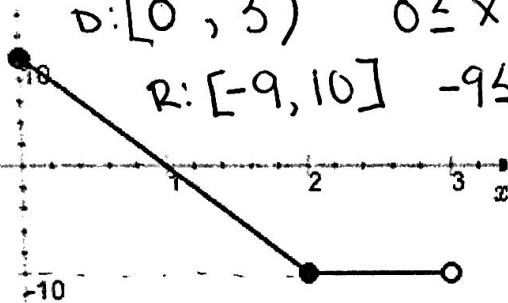
[] = Closed circle, solid line
 $\leq \geq$

() = Open circles, ∞ , asymptote
 $< >$

R: $(-\infty, \dots)$ $y >$
R: $(-\infty, \dots)$ $y <$

Domain and Range of Graphs:

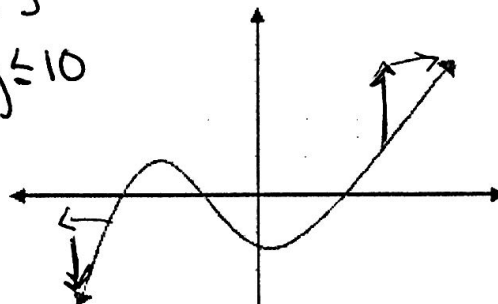
D: $[0, 3)$ $0 \leq x < 3$
R: $[-9, 10]$ $-9 \leq y \leq 10$



Domain Restrictions on Equations:
Even Roots:

Rational Functions (Fractions):

Log/Natural Log:



D: $(-\infty, \infty)$ IR
R: $(-\infty, \infty)$ All real #s IR

